Code 584 Project Status

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Code 584 Project Status
AS of 7/23/04

	Status							
Project	***May***	***Jun***	***Jul***	***Last Report***	***CS***	***∠***	***SSC***	***Notes***
On-Orbit Missions								
EO-1	G	G	G	Jun-03	0.50		10.00	Completed successful ST-6/ASE SW test. Will run Livingstone onboard next month. Staffing down to ~10 from ~20 with lights out automation and sharing staff with ST-5.
EOSDIS	G	G	G	Mar-02	0.80			Successful AURA launch 7/15. Work underway for transition to MOMS contract. Meeting w/ Paul Ondrus in two weeks to discuss future support requirements.
Hitchhiker / FAST	G	G	G	Sep-02	0.50		1.00	Hibernation almost complete, remaining equipment awaiting excess.
HST	G	G	G	Jan-04	2.10			Zero-gyro safing event on 7/6 due to CCS 5.3 (Sun-based string) table generation error; Ops now on CCS 4.3 (SGI-based string). Two Gyro Science CDR held on 7/12; next on-orbit test 11/15. Cindi A. & Mike P. supporting Tiger Teams.
IMAGE, MAP	G	G	G		0.10		0.10	

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Missions Under Development								
Project	*May*	*Jun*	*Jul*	*Last Report*	*CS*	□	*SSC*	*Notes*
GLAST EGSE	G	G	Y		0.70		2.00	Project currently replanning; some CS and SSC staffing issues
GLAST GFEPs	G	G	G		0.10		1.50	Peer Review slated for August; first release to White Sands by end of CY04.
GLAST Operations	G	G	G	Jul-02	0.90		1.00	Successfully completed Critical Design Peer Review 7/21, 7 RFA's but no show stoppers
GPM	G	G	G		0.50			
JWST Ground Sys	G	Y	Y		2.40		4.55	IGSS supporting SIDUs as of 6/14/04 (change in scope). Eclipse R1.0 deployed 7/19-23
JWST ICDH Test Software	G	G	G		0.10		0.00	ASIST Team delivered 2nd ASIST workstation to ICDH Test Lab.
LWS/SET	G	G	G		1.50			GDS Peer Review presented 6/30; R. Turner chaired. Currently answering 4 RFAs, defining requirements, updating schedule and preparing for Carrier I&T. PDR planned for October. SET-1 targets ride on ST-8 in 2007.
SDO	G	G	G		1.40		1.50	ASIST Team delivered ASIST and FEDS systems to FSW and C&DH Labs.
ST-5	Y	G	G		1.70		9.00	Delta CDR on July 21, 22; MOR slated for 9/14. ASIST Team delivered prelim GMSEC-complaint version of ASIST.
Swift	G	G	G		0.70	0.60	0.10	Providing non-launch critical ITOS patch by Aug 1.
ULDB CREAM	G	G	G		0.10		0.10	Nominal

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Initiatives/Proposal Work/SEB's								
Project	***May***	***Jun***	***Jul***	***Last Report***	***CS***	***□***	***SSC***	***Notes***
Adaptive Sensor Fleet	**G**	**G**	**G**		0.70			Nominal
AETD Mentoring Program and Diversity Council	**G**	**G**	**G**		0.20			Preparing for Celebrate Goddard Day.
AIST Proposal Winner	**G**	**G**	**G**	Jun-03	0.10		2.00	Working on X-band version of adaptive array. Will demonstrate with SAC-C.
Control Center in the Classroom	**G**	**G**	**G**		0.40			DDF winner (Ben Lui - PI, support from Pat H.). Completed development of DB and SERI telemetry processor for CCC/SERI missions. Supported pre-launch preparation for two unsuccessful SERI launch attempts 4/29 and 5/7.
CCSDS Panel Support	**G**	**G**	**G**		0.20			Expect LRO to use CFDP
Engineering Process Group (EPG)	**G**	**G**	**G**		0.60			Continuing to support process development activities.

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Initiatives/Proposal Work/SEB's								
Project	*May*	*Jun*	*Jul*	*Last Report*	*CS*	□	*SSC*	*Notes*
GMSEC	G	G	G		1.50		2.00	584 presented response to one action item at FY04 NAR
IMDC Support					0.00			Steve Bailey on final 120-day detail to 581
METS/ESES SEB		G	G		0.10			Proposals currently under evaluation.
QMS Workshop	G				0.00			
Science Visualization Studio	G	G	G	Aug-03	0.60			Lori P. working with NOAA & NASA scientists for this year's Earth Science Update; provided animations to PAO for Community Day; Femi O. (SEICA) has GeoWall running on Linux & Windows; will be shown at Community Day.
SensorWeb	G	G	G		0.10			Volcano sensor web campaign funded with $1 million from NMP. Upcoming SGM volcano/fire sensor web to be performed in August on EO-1.
Space Wire IR&D	G	G	G		1.00		0.00	Test setup has been assembled.

Code 584 Project Status

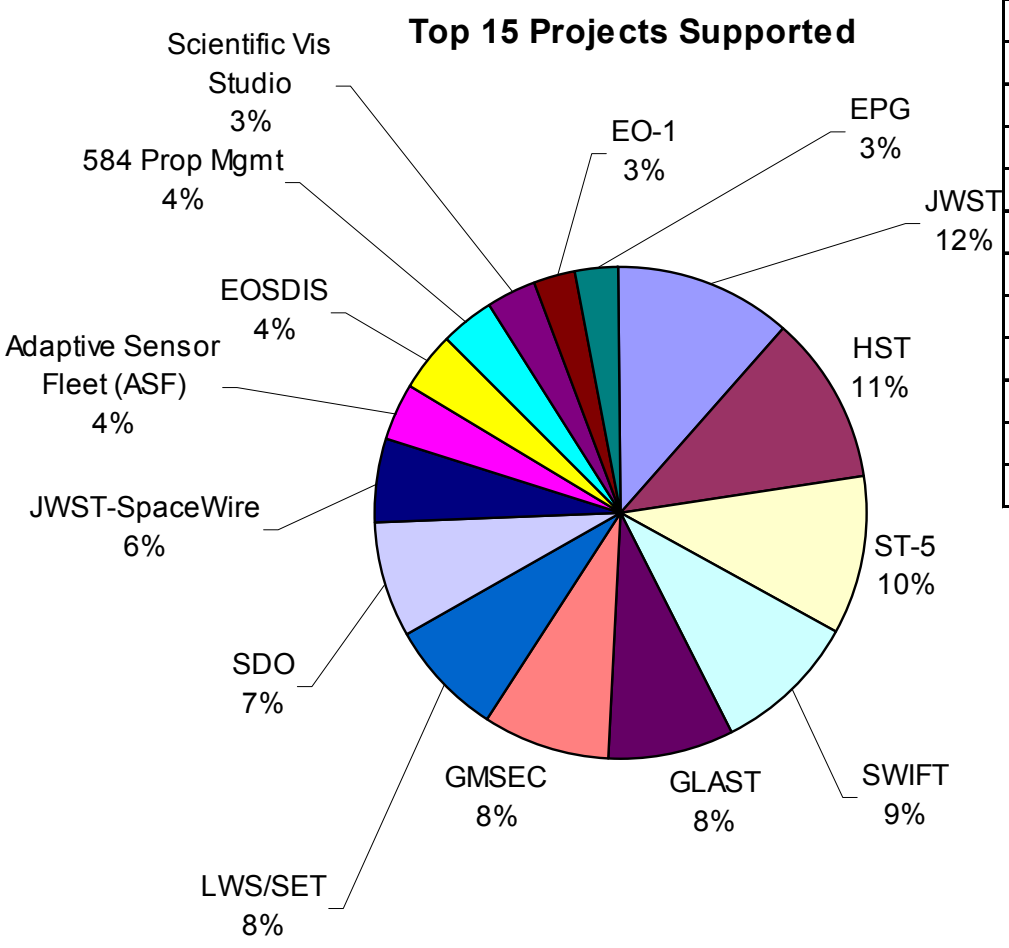
Delta

Name	From Core Business	To Core Business	From Project	To Project	Delta	Notes
Bob O'Brien	ISE-Primary Work Standard	ISE-Primary Work Standard	JWST Ground System	Swift Science Data Processing	0.6	Completed work on JWST, helping Bob Weigand/583 on Swift

H&RT Proposal: Lunar/Planetary Wireless Surface LAN

	FY05	FY06	FY07	FY08
Goddard	1.0	2.11	2.12	2.13
GRC	1.1	1.5	1.6	1.3
Total	2.1	3.61	3.62	3.43
D. Mandl	0.5	0.5	0.5	0.5

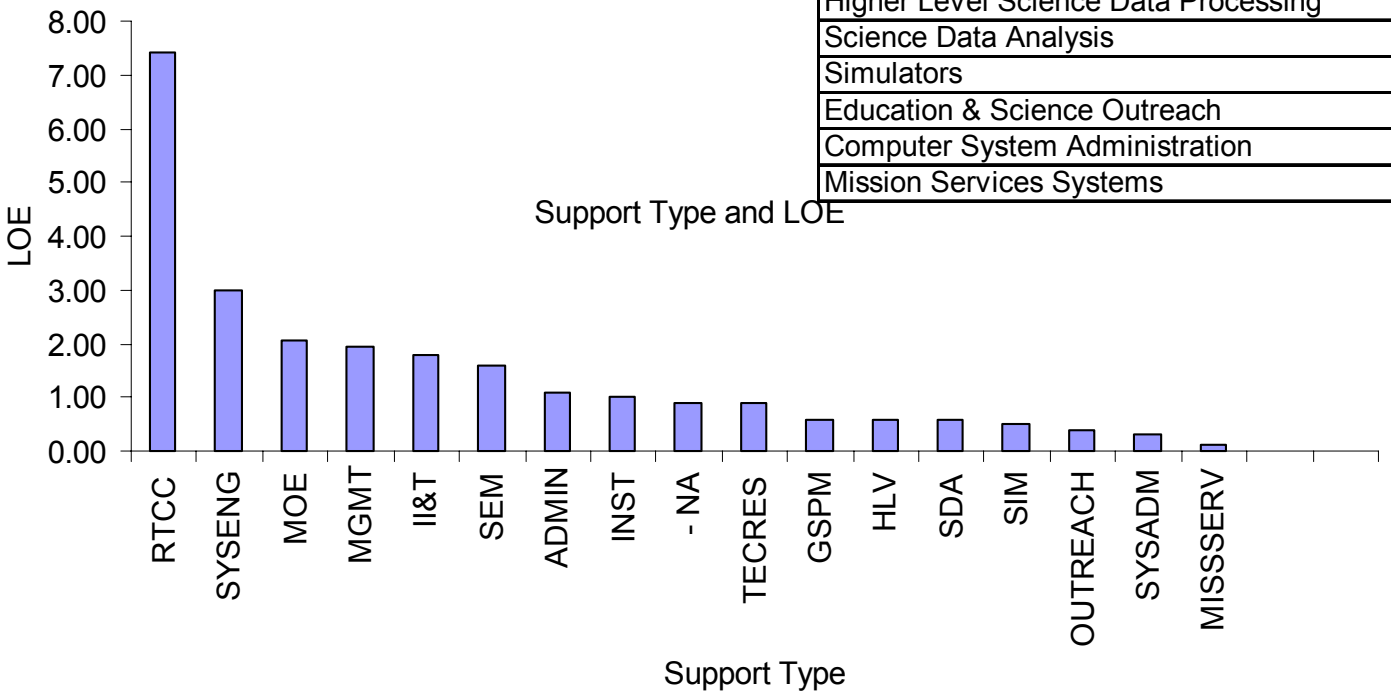
Code 584 Staffing Overview – July 2004



	ProjectName	LOE	
1	JWST	2.10	9.56%
2	HST	2.00	7.07%
3	ST-5	1.85	6.50%
4	SWIFT	1.70	2.10%
5	GLAST	1.50	9.18%
6	GMSEC	1.50	6.50%
7	LWS/SET	1.40	8.60%
8	SDO	1.35	5.16%
9	JWST-SpaceWire	1.00	3.82%
10	Adaptive Sensor Fleet (ASF)	0.70	3.06%
11	EOSDIS	0.70	2.68%
12	584 Prop Mgmt	0.65	2.49%
13	Scientific Vis Studio	0.60	2.29%
14	EO-1	0.50	2.29%
15	EPG	0.50	1.91%

Code 584 Staffing Overview – July 2004

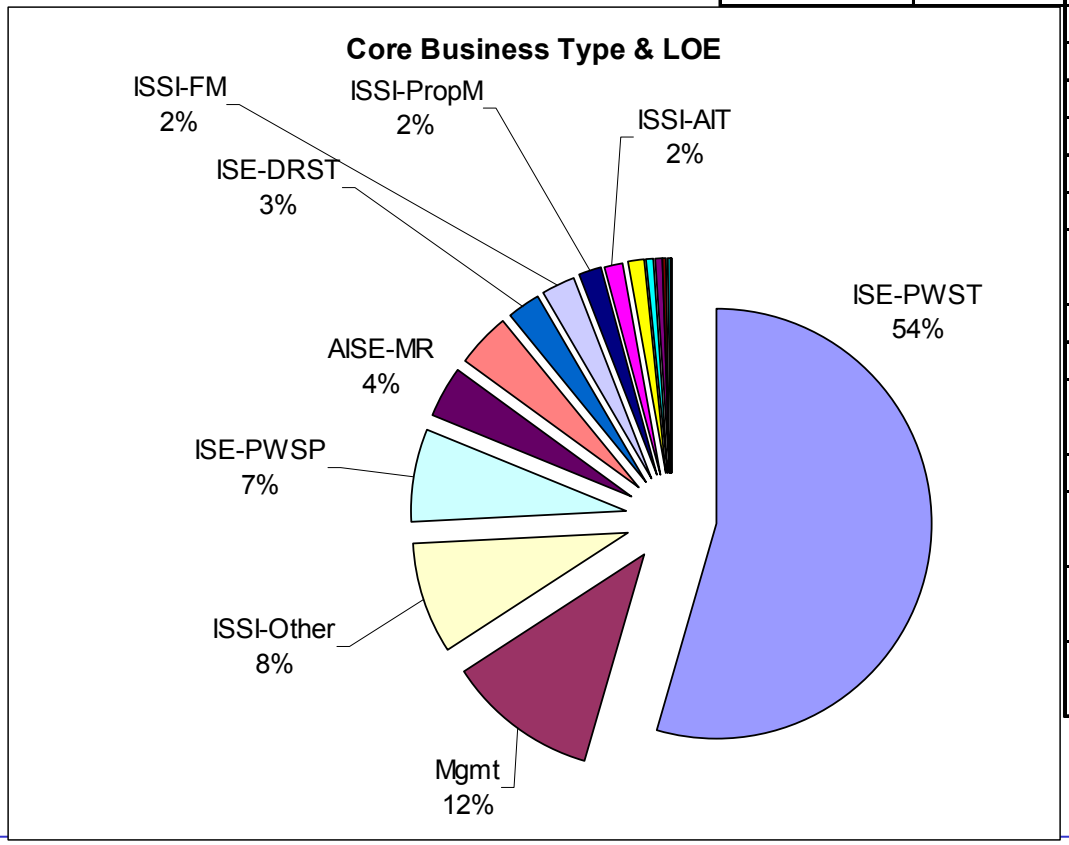
Support Type	Support Type	LOE
Real-Time Command and Control	RTCC	7.40
System Engineering	SYSENG	3.00
Mission Operations Engineering	MOE	2.05
Functional/Senior Management	MGMT	1.95
Instrument I&T	II&T	1.80
Software Eng Methods, Standards, Processes & Reliability	SEM	1.60
Resource Analysts	ADMIN	1.10
Administrative Institutional Systems	INST	1.00
Not Applicable	- NA	0.90
Technology Research	TECRES	0.90
Ground Systems Project Management	GSPM	0.60
Higher Level Science Data Processing	HLV	0.60
Science Data Analysis	SDA	0.60
Simulators	SIM	0.50
Education & Science Outreach	OUTREACH	0.40
Computer System Administration	SYSADM	0.30
Mission Services Systems	MISSSERV	0.10



Code 584 Staffing Overview – July 2004

Core Business Category	Subtotal
ISE	16.60
AISE	2.20
ISSI	3.80
Management	2.95
AFA	0.00

Core Business Type		LOE
ISE-Primary Work, Standard	ISE-PWST	13.90
Management	Mgmt	2.95
ISSI-Other	ISSI-Other	2.10
ISE-Primary Work, Specialized	ISE-PWSP	1.80
AISE-Mission Request	AISE-MR	1.00
AISE-Technology	AISE-Tech	1.00
ISE-Directed, Standard	ISE-DRST	0.70
ISSI-Fac Mgmt	ISSI-FM	0.60
ISSI-Prop Mgmt	ISSI-PropM	0.40
ISSI-Admin IT	ISSI-AIT	0.40
ISSI-Sys Admin	ISSI-SA	0.30
ISE-Primary Work, Standard Investment	ISE-PWSTI	0.15
AISE-Proc Improv	AISE-PI	0.10
AISE-Unique	AISE-U	0.10
ISE-Directed, Specialized	ISE-DSP	0.05
AFA	AFA	0.00
ISE-Directed, Specialized Investment	ISE-DSPI	0.00
ISE-Directed, Standard Investment	ISE-DRSTI	0.00
ISE-Primary Work, Specialized Investment	ISE-PWSPI	0.00



Acronyms

ACD	Anti-Coincidence Detector (GLAST)
Cassini CIRS	Cassini Composite Infrared Spectrometer
CCC	Control Center in the Classroom
CCR	Configuration Change Request
CCSDS	Consultative Committee for Space Data Systems
CNES	Centre National d'Etudes Spatiales (French Space Agency)
CoO	Continuous Operation
CPU	Central Processing Unit
DR	Design Requirement
DRS	Disturbance Reduction System
DSA	Distributed Spacecraft Systems Architecture
EGSE	Electrical Ground Support Equipment
EMOS	EOS Mission Operations System
EO-1	Earth Observer 1
EOS	Earth Observatory System
EOSDIS	EOS Data Information System
FAST	Flexible Autonomous Access to Station
FSW	Flight Software
GLAS	Geoscience Laser Altimeter System
GLAST	Gamma Ray Large Area Space Telescope
GMSEC	GSFC Mission Services Evolution Center
GPM	Global Precipitation Measurement
HABS	Harmful Algal Bloom Spectroscopy
HST	Hubble Space Telescope
I&T	Integration and Test
IMDC	Integrated Mission Design Center
IRAC	Infrared Array Camera
ISIM	Integrated Science Instrument Module
JWST	James Webb Space Telescope
LAT	Large Area Telescope (GLAST)
LISA	Laser Interferometer Space Antenna
LRTEE	Launch Range Technology Evaluation Environment
LWS	Living with a Star Program
MAP	Microwave Anisotropy Probe
MLA	Mercury Laser Altimeter
MOMS	Mission Operations and Mission Services
MRR	Mission Readiness Review
NASDA	National Aeronautical Space Defense Agency of Japan
NGN	NASA Ground Network
NICMOS	Near Infrared Camera & Multi-Object Spectrometer
OASIS	Ocean-Atmosphere Sensor Integration System
OMG	Object Management Group
ORR	Operational Readiness Review
OSAT	Observational Science Airborne Tracking
PSU	Penn State University
RADAC	Range Data Acquisition
REOC	Remote Earth Observing Control Center
ROWS	Radar Ocean Wave Spectrometer
RTEMS	Real-time Executive Multiprocessor System
RTOS	Real-time Operating System
RXTE	Rossi X-ray Timing Explorer
SAMPEX	Solar Anomalous & Magnetospheric Particle Explorer
SDO	Solar Dynamics Observatory
SEB	Source Evaluation Board
SI C&DH	Science Instrument Command & Data Handling
SEB	Source Evaluation Board
SEM	Space Experiment Module
SERI	Small-scale Educational Rocket Initiative
SET	Space Environment Testbed
SITS	Science Instrument Test System
SMEX	Small Explorer
SSM	Support Service Module
ST-5	Space Technology 5
ST-7	Space Technology 7
STIS	Space Telescope Imaging Spectrograph
SWAS	Submillimeter Wave Astronomy Satellite
TRACE	Transition Region and Coronal Explorer
TRMM	Tropical Rainfall Measuring Mission
UARS	Upper Atmosphere Research Satellite
ULDB	Ultra Long Duration Balloon
ULDB TIGER	The Trans Iron Galactic Element Recorder
ULDB CREAM	Cosmic Ray Energetics And Mass Balloon Experiment
WFC3	Wide Field Camera 3
WIRE	Wide-Field Infrared Explorer
XRT	X-ray Telescope